



Wittmann Area Drainage Master Study Update



January 2004

**Supervisor Max Wilson
District 4**



Agenda

- **Purpose**
- **Study Area**
- **Study Participants**
- **Study Elements**
- **Results**
- **Schedule**
- **Summary**





Purpose

To Identify

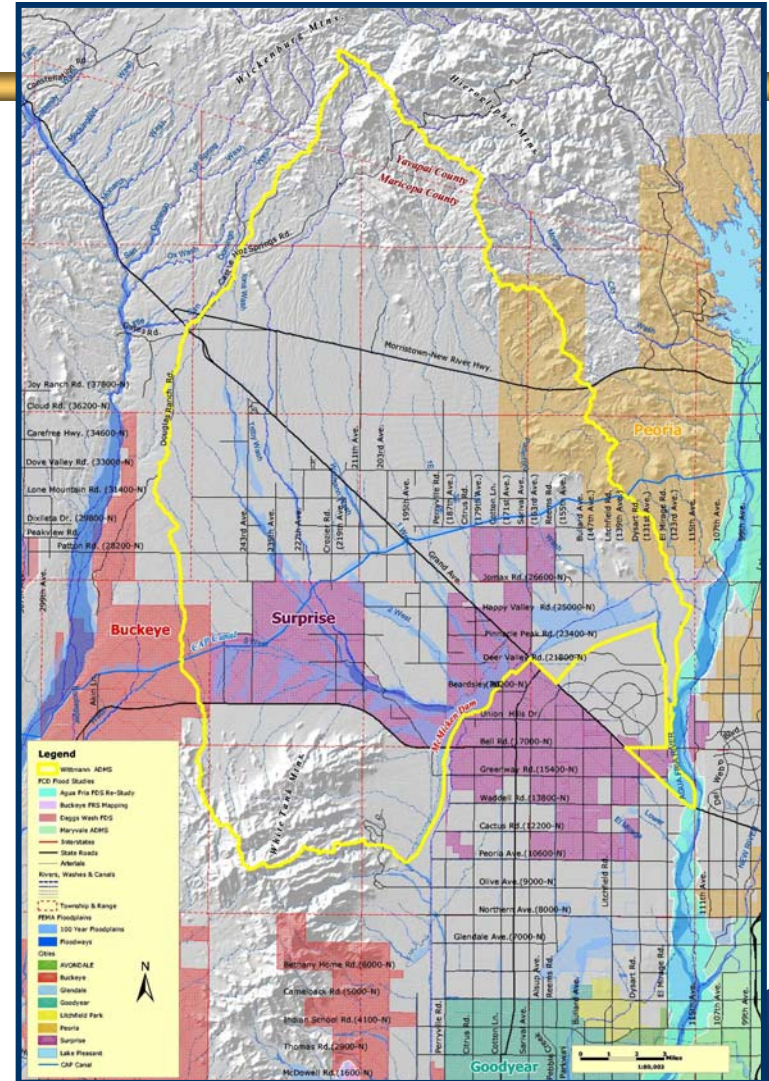
- **Flooding Problems**
- **Sources of Flooding**
- **Flooding Hazards**
- **Potential Conceptual Solutions**
- **Regional Solutions for ~307 Sq. Mile Area**





Study Area

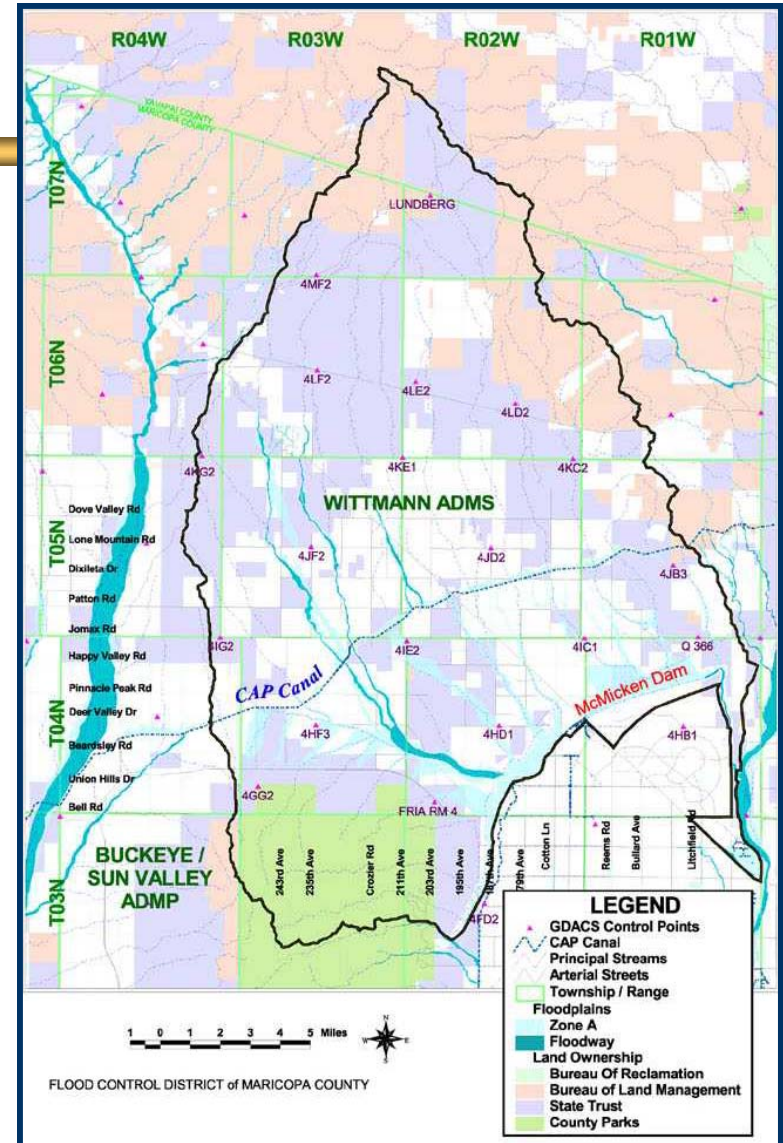
**Study Area Includes 3
Municipalities and
Unincorporated County**





Study Participants

- Federal
- State
- County
- Private Sector
- Property Owners





Study Elements

- **Develop Comprehensive List of Flooding and Drainage Problems**

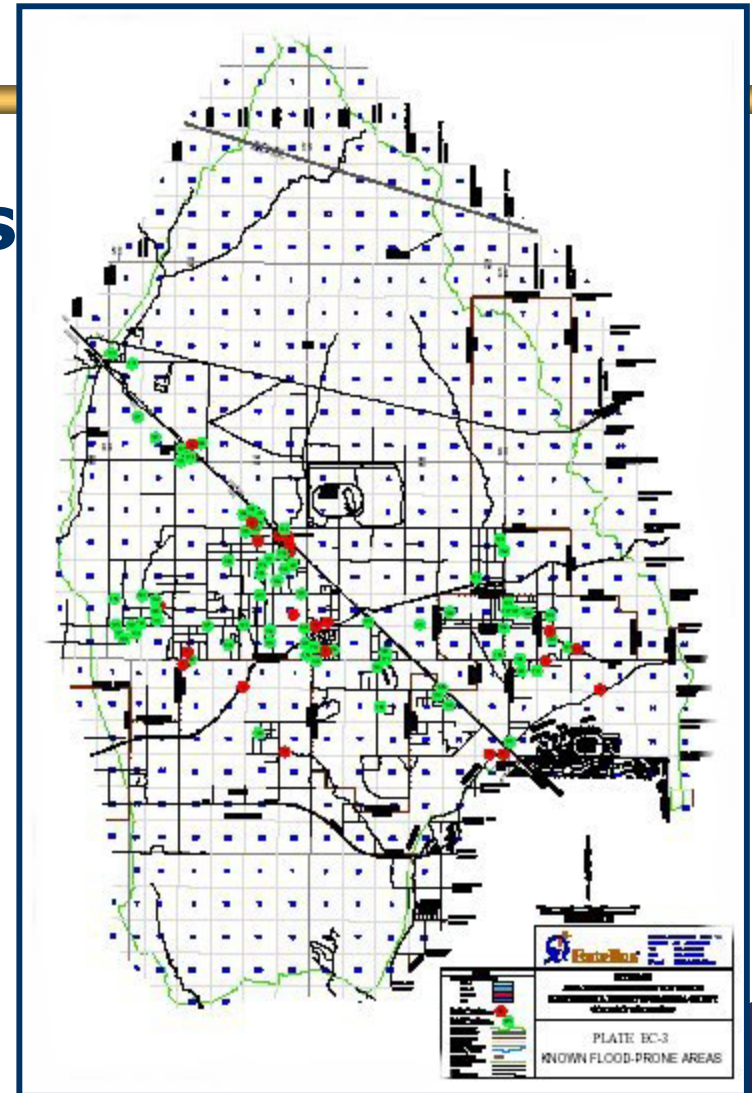




Study Elements

Identified Flooding Areas

- **Drainage**
- **Flash Floods**
- **Sheet Flow**
- **Ponding**
- **Low-Flow Crossings**





Study Elements

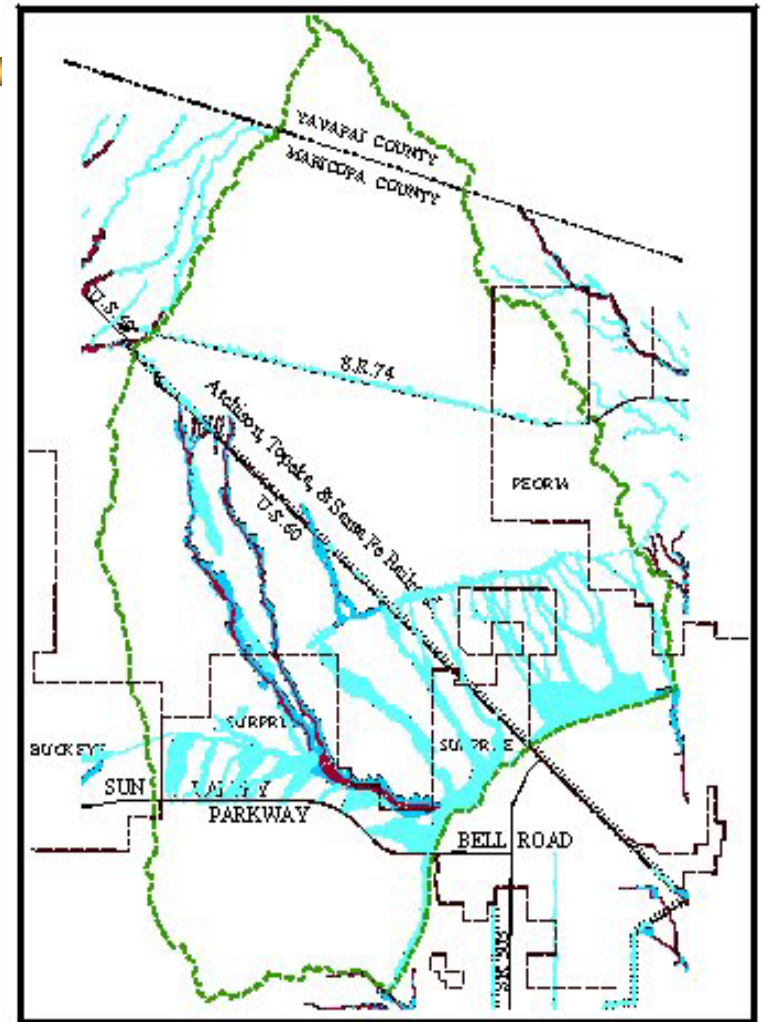
- **Delineate Floodways and Floodplains**





Study Elements

- **Update Hydrology**
- **Re-delineations**
- **New Delineations**
 - **Floodplain**
 - **Erosion Hazard Zones**





Study Elements

- **Preliminary Alternatives for McMicken Dam**
- **Proposed Trilby Wash Feasibility Study**





Study Elements

Coordination on Related Projects

- **Maricopa County Regional Trails**
- **McMicken Dam Fissure Zone Remediation Project**
- **Transportation Studies (MCDOT & ADOT)**
- **Bonita Dam**



Study Elements

- **Prepare Rules of Development to minimize drainage and flooding issues for future growth**





Study Elements

**Rules of Development
may include:**

- **Culverts, Driveways**
- **Walls, Fences**
- **Alignment of Roadway
Crossings at Washes**
- **Erosion Protection**





Results


- **Comprehensive List of Flooding and Drainage Issues**
- **Hydrology – Estimated Runoff**
- **Map 150 miles of Floodplains**
- **McMicken Dam Alternatives Analysis**
- **Rules of Development**
- **Basis for Future ADMP**





Schedule

	2003				2004				2005
TASK DESCRIPTION	1ST QTR	2ND QTR	3RD QTR	4TH QTR	1ST QTR	2ND QTR	3RD QTR	4TH QTR	
Collect Data									
Identify Flooding Hazards									
Technical Analysis									
Hydrology									
McMicken Dam									
Floodplain Delineation									
Rules of Development									
Stakeholder Coordination									
Public Involvement									
Recommendations									

 12 month FEMA review.



Contact Information

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